

805C-42A-3241
Employ the Very Small Aperture Terminal (VSAT)
Status: Approved

Distribution Restriction: Approved for public release; distribution is unlimited.

Destruction Notice: None

Foreign Disclosure: FD1 - This training product has been reviewed by the training developers in coordination with the USASSI / Fort Jackson SC foreign disclosure officer. This training product can be used to instruct international military students from all approved countries without restrictions.

Conditions: You are assigned as a Human Resources (HR) NCO in the S-1 section and your unit is scheduled to deploy in support of overseas contingency operations. You are required to set up and employ the VSAT to support HR operations. You have a VSAT system with all transit cases, packing lists to identify the components of the VSAT communications system, an operational location with a good view of the appropriate sky, tools to set up the system, TM 11-5895-1817-10 (Operator's Manual for Combat Service Support (CSS) VSAT), and access to HR enabling systems. Some iterations of this task should be performed in MOPP 4.

Standards: Correctly prepare VSAT equipment for employment, examine planning considerations, place VSAT into operation and establish connectivity to HR enabling systems via the Non-classified Internet Protocol Router Network (NIPRNET).

Special Conditions: None

Safety Risk: Low

MOPP 4: Sometimes

Task Statements

Cue: You are required to employ VSAT to access HR enabling systems.

<div>None</div> <div>DANGER</div>

<div>WARNING</div> <div>Injury may occur if proper lifting / lowering / transporting techniques are not followed. Do not attempt to lift by bending forward. Bend your hips and knees to squat down to your load, keep it close to your body, and straighten your legs to lift. Never lift a heavy object above shoulder level. Avoid turning or twisting your body while lifting or holding a heavy object.</div>

<div>CAUTION</div> <div>The CSS VSAT System has an approximate weight of 500 pounds. Use safe lift and carry procedures when handling the cases. Each case may require up to a two-person lift and carry. Keep cases closed and latched when not accessing equipment to minimize the probability of injury or snagging clothing.</div>

Remarks: None

Notes: None

Performance Steps

1. Prepare VSAT for employment.
 - a. Identify / inventory hardware components.
 - (1) Indoor equipment case.
 - (2) Antenna Pedestal case.
 - (3) Reflector case.
 - (4) RF Equipment Case.
 - b. Examine connectivity options.
 - c. Determine required security level(s).
 - d. Review available network architecture.
2. Examine VSAT planning considerations.
 - a. Determine physical placement / operational location of the VSAT (line of sight, etc.)
 - (1) Place Indoor and RF Equipment Cases inside at the selected operating area.
 - (2) Place the Antenna Pedestal and Reflector Equipment Cases outdoors where the Antenna will be deployed.
 - (3) Identify location with a clear view of the desired Reference and Data Satellites for outdoor equipment.
 - b. Assess weather and terrain.
 - c. Analyze location of supported units.
 - d. Coordinate maintenance support.
3. Place VSAT into operation.
 - a. Assemble components.
 - b. Establish a satellite communications link.
 - c. Acquire the Non-classified Internet Protocol (IP) Router Network (NIPRNET).
 - d. Access HR enabling systems.

(Asterisks indicates a leader performance step.)

Evaluation Guidance: Score the Soldier GO if all performance measures are passed (P). Score the Soldier NO GO if any performance measure is failed (F). If the Soldier fails any performance measure, show what was done wrong and how to perform it correctly.

Evaluation Preparation: This task can be evaluated by use of the performance measures as listed. This method of evaluation is appropriate if the Soldier performs the task on the job. Allow the Soldier to practice until the Soldier feels qualified and prepared for the evaluation. Then have the Soldier perform the task, using the materials listed in the CONDITIONS statement above. Score the Soldier "PASS" or "FAIL" as determined by the

performance.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Prepared VSAT for employment.			
a. Identified / inventoried hardware components.			
b. Examined connectivity options.			
c. Determined required security level(s).			
d. Reviewed available network architecture.			
2. Examined VSAT planning considerations.			
a. Determined physical placement / operational location of the VSAT.			
b. Assessed weather and terrain.			
c. Analyzed location of supported units.			
d. Coordinated maintenance support.			
3. Placed VSAT into operation.			
a. Assembled components.			
b. Established a satellite communications link.			
c. Acquired the NIPRNET.			
d. Accessed HR enabling systems.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	ATP 1-0.1	G-1/AG and S-1 Operations	No	No
	ATP 1-0.2	Theater-Level Human Resources Support	No	No
	FM 1-0	Human Resources Support http://armypubs.army.mil/doctrine/DR_pubs/dr_a/pdf/fm1_0.pdf	No	No
	TM 11-5895-1817-10	OPERATOR MANUAL FOR COMBAT SERVICE SUPPORT(CSS), VERY SMALL APERTURE TERMINAL(VSAT): TERMINAL, SATELLITE COMMUNICATIONS	Yes	Yes

TADSS : None

Equipment Items (LIN):

LIN	Name
J97857	AN/TSC-183, AN/TSC-183A CSS VSAT

Materiel Items (NSN) :

Step ID	NSN	LIN	Title	Qty
No materiel items specified				

Environment: Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to the current Environmental Considerations manual and the current GTA Environmental-related Risk Assessment card.

Safety: In a training environment, leaders must perform a risk assessment in accordance with ATP 5-19, Risk Management. Leaders will complete the current Deliberate Risk Assessment Worksheet in accordance with the TRADOC Safety Officer during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination.

Prerequisite Individual Tasks : None

Supporting Individual Tasks : None

Supported Individual Tasks : None

Supported Collective Tasks : None

ICTL Data :

ICTL Title	Personnel Type	MOS Data
42A - Human Resources Specialist - SL3	Enlisted	MOS: 42A, Skill Level: SL3, Duty Pos: UQI